



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4310-4AA60-Z
A11+D22

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data :						
Rated voltage :		(6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz				
Frequency :		50 Hz			60 Hz	
Rated power :		110.00 kW			127.00 kW /	
Rated speed :		1488 1/min			1786 1/min	
Rated torque :		706.0 Nm			679.1 Nm	
Rated current (IE) :		VD	VY		VD	VY
		200.0 A	115.9 A		200.0 A	
Starting / rated current :		6.4			6.4	
Breakdown / rated torque :		2.8			2.7	
Starting / rated torque :		2.5			2.5	
		4/4	3/4	2/4	4/4	3/4 2/4
Efficiency %	93.3 %	93.3 %	92.7 %	93.5 %	93.4 %	92.6 %
Power factor :	0.85	0.82	0.73	0.85	0.85	0.75
Efficiency class :	IE1			IE1		
no value						
No						

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	
	70.0(A) 75.0(A)
Moment of inertia :	
	1.90 kg m²
Bearing DE :	
	6319 C3
Bearing NDE :	
	6319 C3
Type of bearing :	
	Locating bearing NDE (standard)
Condensate drainage holes :	
	Yes
Regreasing device :	
	Yes (standard)
Lubricants :	
	Esso Unirex N3
Grease lifetime/Relubrication interval :	
	6000 h
Quantity of grease for relubrication :	
	40.0 g
External earthing terminal :	
	Yes
Coating :	

Explosion protection :	
Type of protection :	
	without (standard)

Environmental conditions :	
Ambient temperature :	
	-20.0 °C - +40 °C
Altitude above sea level :	
	1000 m
Standards and specifications :	
	IEC, DIN, ISO, VDE, EN

General data :	
Frame size :	
	315 S
Design of electrical machine :	
	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	
	730.00 kg
Frame material :	
	Cast iron
Degree of protection :	
	IP 55
Method of cooling, TEFC :	
	IC 411
Vibration class :	
	A
Insulation :	
	155(F) to 130(B)
Duty type :	
	S1 - continuous duty
Direction of rotation :	
	Bi-directional

Terminal box :	
Material of terminal box :	
	Cast iron
Type of terminal box :	
	gt 620
Contact screw thread :	
	M12
Max. cross-sectional area :	
	240.00 mm²
Cable diameter from ... to ... :	
	38.0mm - 45.0mm
Cable entry :	
	2xM63x1,5-2xM20x1,5
Cable gland null	
	4 plugs

Special design :	
A11	PTC thermistor motor protection using 3 integrated temperature sensors for shutdown
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)